Benchmark Examination Test Item Map
Number of Test Questions by Performance Standard in Reading, Writing and Mathematics: Grade 6

Performance Standards: Reading and Writing		Number of Test Questions			Percent of Emphasis	Total Raw Score Points
		Multiple-choice	Short Response	Extended Response		
Reading Totals		30	5	1	100%	41
R2.1	Use phonics; determine meaning of unfamiliar words	3	1		12%	5
R2.2	Infer meaning; identify themes	3	1		10%	4
R2.4	Retell stories; restate and summarize information	4			10%	4
R2.5	Clarify and connect main ideas	3		1	15%	6
R2.6	Read and follow multi-step directions	5	1		17%	7
R2.7	Explain characteristics of genres	4			10%	4
R2.8	Define and identify plots, settings, characters	4	1		15%	6
R2.9	Make and support opinions; differentiate fact and opinion	4	1		12%	5
Writing Totals		29	6	1	100%	58
W2.1 W2.2	Write compositions for audiences Use a variety of forms	0	4	1	38%	22
W2.3	Proofread and correct grammar, spelling, capitalization, punctuation, and sentence and paragraph construction	15	1		36%	21
W2.4	Revise writing to improve logical progression and supporting information	14	1		26%	15

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Performance Standards: Mathematics	Number of Test Questions			Percent of Emphasis	Total Raw Score Points
	Multiple-choice	Short Response	Extended Response		
A1: **Numeration**	**5**	**1**		**14%**	**7**
A1.2.1 Read, write, model, order and count with positive whole numbers to 1,000,000 and negative whole numbers.	1				
A1.2.2 Use, model and identify place value positions from 0.001 to 1,000,000.					
A1.2.3 Model and explain the processes of multiplication and division. Describe the relationships among the four operations.					
A1.2.4 Identify and describe different uses for the same numerical representation.	2				
A1.2.5 Model and explain the process of adding and subtracting fractions with common denominators and decimals that represent money.					
A1.2.6 Identify and describe factors and multiples including those factors and multiples common to a pair or set of numbers.	2	1			
A1.2.7 Demonstrate the commutative and identity properties of multiplication.					
A2: **Measurement**	6	1		**17%**	**8**
A2.2.1 Estimate and measure weights, lengths, and temperatures to the nearest unit using the metric and standard systems.	1				
A2.2.2 Identify and use equivalent measurements (e.g., 60 minutes = 1 hour, 7 days = 1 week).	2	1			

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A2.2.3 Use a variety of measuring tools; describe the attribute(s) they measure					
A2.2.4 Estimate and measure the dimensions of geometric figures.	1				
A2.2.5 Tell time using analog and digital clocks identifying AM and PM; find elapsed time within AM or PM constraints.	1				
A2.2.6 Read, write, and use money notation, determining possible combinations of coins and bills to equal given amounts; count back change for any given situation.	1				
A3: **Estimation and Computation**	**6**	**1**		**17%**	**8**
A3.2.1 Describe and use a variety of estimation strategies including rounding to the appropriate place value, multiply by posers of 10, use front-end estimation to check the reasonableness of solutions.					
A3.2.2 Recall and use basic multiplication and division facts orally, in timed test and as missing factors. **(This will be encompassed in A3.2.3)**	1				
A3.2.3 Add and subtract whole numbers and fractions with common denominators to 12 and using models and algorithms.	2				
A3.2.4 Multiply and divide whole numbers by 2-digit numbers, limiting the 2-digit divisors to those that end in zero; multiply and divide decimals that represent money by whole numbers.	1				

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A3.2.5 Find equivalent fractions. Convert between fractions and mixed numbers.		1			
A3.2.6 Develop and interpret scales and scale models.	2				
A4: **Functions and Relationships**	5	1		**15%**	**7**
A4.2.1 Use patterns and their extensions to make predictions and solve problems; describe patterns found in the number system including those formed by multiples, factors, perfect squares, and powers of 10.					
A4.2.2 Generate and solve simple functions by identifying and applying multiplication and division patterns.	2				
A4.2.3 Use a calculator to find a missing item in a number sequence.					
A4.2.4 Use words, lists, and tables to represent and analyze patterns. **(This will be encompassed in A4.2.3)**	1				
A4.2.5 Explain the purpose of variables and use them in open sentences to express relationships and describe simple functions.	2	1			
A5: **Geometry**	**5**		**1**	**19%**	**9**
A5.2.1 Identify and compare various triangles and quadrilaterals according to their sides and/or angles.	2				

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A5.2.2 Compare and contrast plane and solid figures (e.g., circle/sphere, square/cube, triangle/pyramid) using relevant attributes, including the number of vertices, edges, and the number and shape of faces.	1				
A5.2.3 Identify and model geometric figures that are congruent, similar, and/or symmetrical.					
A5.2.4 Distinguish between area and perimeter, finding both using a variety of methods including rulers, grid paper, tiles.			1		
A5.2.5 Identify and model transformations of geometric figures and rotations of line segments, describing the motions as slides, flips, or rotations.	1				
A5.2.6 Locate and describe objects in terms of their position with & without compass directions; identify coordinates for a given point or locate points of given coordinates on a grid.	1				
A5.2.7 Sketch and identify line segments, midpoint, intersections, parallel, and perpendicular lines.					
A6: **Statistics and Probability**	**1**	**2**	**1**	**18%**	**9**
A6.2.1 Collect, organize and display data creating a variety of visual displays including tables, charts, and line graphs.			1		
A6.2.2 Present the data using a variety of appropriate representations and explain the meaning of the data.	1				

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A6.2.3 Describe and interpret a data set using mean median, mode, and range.		1			
A6.2.5 Estimate whether a game is mathematically fair or unfair; analyze and present probability data using simple fractions.		1			
A6.2.6 Conduct simple probability experiments using concrete materials and represent the results using fractions and probability.					